

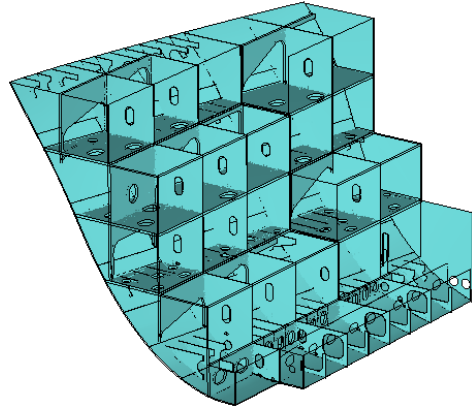
Helping to avoid unexpected expenditures on coating maintenance

Customer:

Login (LOGN3) is a logistic company that operates 10 ships (8 container ships - 5 own and 3 chartered, 2 bulk carriers) and operates 1 port terminal and 2 intermodal terminals.

Challenge

During the preparation of the coating repair specification for the next dry dock of one container ship an experienced engineer realized the coating areas might be underestimated. He was using figures from the design information booklet approved by the internal supervision team and classification society and thus were supposed to be correct. The complex shapes of the tanks would make it unfeasible to recalculate manually.



Solution

The coating areas were recalculated in a few hours using the coating tools of PhDC4D®. Errors ranging from 20% to 260% were fixed. The fore tanks had the largest errors due their complex shapes.

Outcome

An accurate coating repair specification was prepared and thus avoiding large unforeseen expenditures on repair execution.

Accurate amounts defined previously allowed a better base for price negotiation with shipyard.

Repair budget became accurate.

Customer comments

"We would never reach a conclusion without the help of C4D® since a lot of man hours would be used for recalculating. It would be impracticable"

"It makes sense now why we always spent much more paint than initially planned. We thought it was due to inefficiency during the painting work."

"Why no one else detected this error previously during the plan approval process?"